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## NovaKote EBS

### Highly Dilutable Concentrate of Enhanced Barium Sulfate

NovaKote EBS is a water-based concentrate of Barium Sulfate ( $BaSO_4$ ) enhanced with Boron Nitride (BN). Highly dilutable with water even to 4:1 water-to-concentrate, the resultant diluted paint is nearly neutral pH with minimal settling and easy paintability to provide good non-wetting and release with molten aluminum and its alloys and drosses.

NovaKote EBS is usable on all substrates and with all atmospheres to 1000 C.

#### Key Attributes

- Dilutable with water to 3:1 or 4:1 water-to-concentrate ... a most dilutable version of our coatings
- Provides non-wetting/non-reaction with molten Aluminum and its alloys/drosses
- Use temperature to 1000 C in all atmospheres
- Good release coating on all substrates (ceramics/graphite/metal): extends refractory lifetime
- Water-based, easy-to-use and cleanup

#### Ideal Use

- Economical nonwetting coating
- All liquid metal processing and transport systems
  - Crucibles/molds/ladles/skimbers
  - Launder/runners/spouts/pins
  - Troughs/tubes/boxes/caster tips
  - Ceramic-foam-filters/degassers
  - Dross presses
- Barrier layer between parts
- Expected good high temperature lubricity

#### Use Notes

1. Re-suspend if needed. Coating generally exhibits minimal settling as the concentrate or diluted.
2. Reducible with water to 3:1 or 4:1 water-to-concentrate (i.e., highly dilutable).
3. Clean surfaces to be painted of any oils, dirt, scale, etc.
4. Apply a thin layer by brush, dip, or air-spray.
5. Allow to thoroughly dry before use.



#### Specifications

Active Ingredient	BaSO <sub>4</sub> - BN
Max Use Temperature	Air 1832 F/1000 C Inert/Vac 2372 F/circa 1300 C
Fired Composition	BaSO <sub>4</sub> /BN/Al <sub>2</sub> O <sub>3</sub>
Liquid Carrier	Water
Binder Phase	Proprietary
Brookfield Viscosity	Thick paste
Specific Gravity	1.24
Color	White
Shelf Life (months)	>12
Coverage (ft <sup>2</sup> /gal)	>= 400 as diluted
Coating pH	6
H F R Ratings	1-0-0
Substrate Use	All

#### Sizes and colors

NovaKote EBS is a white paint.  
 Standard size: 1 gallon pail

#### Safety Information

- Consult SDS before use.
- Avoid breathing of spray/vapors.
- For Industrial Use only.

#### CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.

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